DESCRIPTIO GENERIS.

CHARACTER ESSENTIALIS.

***** *Antennis clava integra inflata.*

PAUSUS. Antennæ biarticulatæ, clava uncinata pedicellata mobili.

CHARACTER ARTIFICIALIS.

PAUSUS. *Antennæ* biarticulatæ, articulo ſuperiore maximo inflato uncinato pedicellato: pedicello in cavitate articuli inferioris mobili.

Caput porrectum: gula triangulo convexo inſtructa.

Thorax anguſtus inæqualis ſcutellatus.

Elytra flexilia deflexa truncata.

Pedes antici pectoris parti anticæ affixi: femoribus appendiculatis: tarſis quadriarticulatis.

CHARACTER NATURALIS.

Palpi quatuor inæquales obtuſi, baſi trianguli gularis affixi.

interiores medii, triplo longiores, divergentes, intus plani extra convexi, baſi biarticulati, interius paulòque altius collocati.

exteriores laterales, minuti, erecti, ſetacei, compreſſi, articulis deſtituti, margini exteriori baſeos trianguli gularis inſerti.

Mandibulæ porrectæ arcuatæ accuminatæ forcipatæ, baſi biarticulatæ, dein e vaginis duabus corneis introrsùm dilatatis truncatis, quarum infera latior, bidenticulatæ, et tandem hamulo vaginis anguſtiore cylindraceo carneo terminatæ.

Maxillæ apice teretes integerrimæ unguiculatæ forcipatæ.
Labium palpis interioribus brevius, fubquadratum, membranaceum, carinatum, apice integrum ciliatum.
Antennæ biarticulatæ: articulo *inferiore* parvo fubrotundo utrinque truncato; *fuperiore* maximo inflato in *capitulum* integrum, ante et extraversùs carinatum: carina a bafi ad verticem tuberculatum ducta, ponè et introrsùm tubo vel hamulo inftructum, et fubtùs pedicellatum: pedicello bafi globofo nitidiffimo: globo cavitati articuli inferioris versùs marginem ejus apicis exteriorem inferto, et ad fuperiorem articulum rotandum accommodato.
Metamorphofis et victus nondum innotuerunt.

HABITUS NATURALIS.

Animal parvum, ab apice antennarùm ad finem abdominis tres circitèr lineas longum et tranfverfim per elytra vix unam latum, fupra depreffum, in parte antica anguftius, qua pofteriora fermè cylindraceum, læve glabrum unicolor nitidulum tardigradum, Africam occidentalem inter Tropicos fitam inhabitans.
Caput parvum, thorace multò minus breviufque, fubrotundum, porrectum, bafi quafi annulo cinctum. *Clypeus* minutus. *Gula* triangulo elàto convexo: bafi inter oculos ducta.
Oculi majufculi laterales tranfversè oblongi prominuli: margine acetabulorum antico in angulum horizontalem, poftico in perpendicularem producto; unde facultas videndi non nifi in partem anticam.
Antennæ: articulis inferioribus ferè parallelis, fuperioribus valdè divergentibus, mobiles ope tuberculi oculum referentis globofi

boſi nitidiſſimi, quod margini exteriori baſeos articuli inferioris affixum, in cavitate capitis ante oculos inter angulum eorum acetabuli anticum et clypeum rotatur.

Thorax partibus duabus diſtinctis inæqualibus: *antica* dorſo emarginata altiore et lateribus etiam paulò magìs dilatata, *poſtica* latiore, dorſo prorsùm depreſſa vel excavata, cæterùm cylindracea, conſtans anguſtus ſcutellatus: *ſcutello* minuto triangulari.

Elytra linearia planiuſcula tenuia flexilia: *baſi* ſcutellum continente valdè coarctata, etiam thorace paulò anguſtiora; *humeris* utrinque antrorsùm aliquantùm protuberantia; *margine* exteriore longitudinalitèr quaſi carinata et dein adeò deflexa ut latera abdominis tota tegant, plica in anticum latiore; *ſuturis* parùm marginata; *apice* truncata inflexa et angulo exteriore, ubi partes deflexæ laterales et terminales concurrunt, exciſa in ſinum minutum, cujus margines elevati veluti tubercula compreſſa apparent.

Abdomen lineare: ſegmentis quinque, *ſupra* planiuſculum, colore dilutè ferrugineo vario: ſegmento ultimo maximo deflexo obſcuro ponè rotundato marginato; *ſubtus* in antica parte inter pedes medios et ultimos lamina convexa notatum, poneversùs gibbum: ſegmentis primo et quarto majoribus, ponè femora pedum poſticorum depreſſum: foſſula circulo e punctis minutis approximatis confecto circumdata.

Pedes ſubæquales, antici pectoris parti anticæ, medii ad baſin ventris et poſtici illi medio inſerti. *Femora* inermia, lanceolato-oblonga, compreſſo-gibboſa, incraſſata præſertim pedum poſticorum, ut tibiæ extendi atque contrahi poſſint apice margineque interiore ultra medium canaliculata, et ut pedes toti introrsùm moveri queant baſi appendiculata: appendice

 pallidiore,

pallidiore, acetabulo ſubjacenti adaptata, pedum poſticorum maxima ovali in aciem obtuſam compreſſa, reliquorum parva ſubrotunda. *Tibiæ* compreſſæ, margine utroque pilis breviſſimis inſignitæ. *Tarſi* anguſti teretiuſculi 4-articulati unguiculati: articulis minutis, tribus æqualibus, ultimo longiore, apice utrinque pilo inſtructis, aliàs vix diſcernendis: unguibus duobus longiuſculis apice incurvatis divergentibus.

DIFFERT A CEROCOMA.

Habitatione æquinoctiali in domibus.
Corpore glabro, antico anguſtiore.
Capite porrecto, gula triangulo notata.
Antennis magnis biarticulatis: articulo ſuperiore maximo, uncinato, pedicellato, mobili.
Palpis baſi trianguli jugularis affixis, interioribus multò longioribus.
Mandibulis vaginatis denticulatis.
Labio ſubquadrato, carinato, integro.
Thorace anguſto inæquali: partibus duabus diſtinctis.
Elytris margine circumcirca deflexis, apice ſinuatis truncatis.
Abdomine plicis papilliſque lateralibus deſtituto.
Pedibus anticis anticæ pectoris parti affixis, femoribus appendiculatis, tarſis omnibus quadriarticulatis.

DESCRIPTIO SPECIERUM.

1. PAUSUS *microcephalus*, capite mutico, clava oblongo-ſphæroidea, elytris longitudine abdominis impunctatis, tibiis linearibus.

Pauſſus microcephalus, Linn. Diſſ. Big. Inſect. p. 6. *sq.** Tab. ann. fig. 6—10. *Fueſsl. Arch. Inſect.* Plag. 3. p. 1. *sq.** Tab. 13. *ed. Gall.* p. 42.* Tab. 13.

Pauſus

Pauſus microcephalus, totus niger, *Thunb. Act. Stockholm*, 1781. p. 170.
Pauſus microcephalus, *Gmel. Syſt. Nat.* Tom. 1. P. 4. p. 1737.*
Pauſus microcephalus, ater capite minutiſſimo, thorace anguſto depreſſo, elytra picea lævia inflexa teuia (tenuia): *Herbſt. Syſt. Inſect. Coleopt.* P. 4. p. 100. *sq.** Tab. 39. fig. 6. a. b.
Cerocoma microcephala, antennis biarticulatis: clava irregulari dentata maxima, corpore fuſco, *Fabr. Entom. Syſt.* Tom. 1. P. 2. p. 82.

Habitat in Inſula Bananas ejuſque vicinitate. Muſ. Banks, Smith, & Drury.

Piceus in parte antica et infera paullo obſcurior, ſupra parùm ſubtus magis nitidus.

Caput minutiſſimum muticum: *parte* poſtica annulari altiore, *clypeo* bipartito, *triangulo* jugulari minuto.

Oculi mediocres, ſed adeo obſcuri, ut diſtingui nequeant niſi lente valdè aucti, et tum ſaturatæ glauceſcentes apparent: *angulis* acetabulorum magnis, poſtico oculis ferè altiore.

Antennæ: tuberculo ad baſin *motatorio* nigro nitidiſſimo, ſpeciem oculi omninò præ ſe ferente; articulo *inferiore* obſoletè punctato, apiciſque margine ſuperiore introrsùm verruca piloſa inſtructo; *ſuperiore* caput magnitudine excedente, oblongo-ſphæroideo, punctato, *antè* compreſſiuſculo: carina in aciem acutam elevata, *vertice* denticulis quatuor piliferis in ſeriem carina paulò exteriorem adinſtàr criſtulæ diſpoſitis notato, *ponè* in tubum obtuſum ſupra depreſſum ſubter tuberculatum apice compreſſum ſuper articulum inferiorem producto, *ſubtùs* pedicello longo adſcendente ſupernè compreſſo et antè carinato, infernè anguſtiore tereti nigro.

Palpi interiores lanceolato-oblongi: articulis minutis.

Mandibulæ: articulis parvis; vagina inferiore ſuperiorem magnitudine multùm excedente.

Labium: carina ſulcata et apice medio quaſi mucronato.

Thorax capite multò latior et maximè inæqualis: *partibus* duabus ſulco tranſverſo circumcirca ambiente omninò diſtinctis; *antica* ſupernè et lateribus in aciem acutam elevata, collari vel rotulam referente; *poſtica apice* utrimque rotundata piliſque fulvis nitidiſſimis deorsùm inflexis inſignita, *medio* in foſſulam prorsùm excurrentem dilatatam profundiorem excavata, *lateribus* extrinſecùs declivi, *poneversùs* margine convexo terminata.

Scutellum acutiuſculum, reliquo corpore nitidius.

Elytra longitudine abdominis vel ferè longiora, punctis deſtituta: deflexu laterali latiore et marginibus ſuturarum ſinubuſque tuberculatis in angulo apicis exteriore multò majoribus atque evidentioribus quàm inſequentis ſpeciei.

Alæ inferiores fuliginoſæ et omni nitore expertes.

Abdomen retuſum: margine poſtico ſegmenti penultimi elato; ſubtùs ponè pedes colore in cupreum vergente.

Pedes obſoletè punctati, poſtici aliquantò breviores. *Femora* pedum poſticorum margine exteriore arcuata. *Tibiæ* apice muticæ lineares, pedum poſticorum paulò latiores ferè lanceolatæ. *Tarſi* graciles: articulis difficillimè diſtinguendis.

2. Pausus *ſphærocerus*, capite cornuto, clava globoſa, elytris abdomine brevioribus punctatis, tibiis apice dilatatis.

Habitat in Sierra Leone: Freetown. Muſ. Smith, Marſham et meum. Januario et Februario noctuabundus ambulàt, luce admiſſa cæcutit, delabitur et aliquamdiu immobilis remanet. Globi antennarum phoſphori videntur, atque materia tenui liquida repleti.

Caſtaneus

Caſtaneus nitidiſſimus, præcedente paulò anguſtior, unde etiam longior apparet et magìs cylindraceus.

Caput majus cornutum: *parte* poſtica annulari minore coarctata; *cornu* medio parvo conico erecto pilis cartilagineis terminato; *clypeo* ſolum depreſſo; *triangulo* jugulari majuſculo.

Oculi admodùm magni, valdè conſpicui, atri, ſed in certa quadam luce vireſcente tincti: *angulis* acetabulorum parvis apice rotundatis, poſtico oculis multò humiliore.

Antennæ: tuberculo ad baſin *motatorio* concolore, et ſic non adeo manifeſto; articulo *inferiore* punctis atque verruca deſtituto; *ſuperiore* magnitudine capitis, ſphærico, veſicæ inflatæ ſimili, ſemipellucido, incarnato, *carina* minuta vertice tuberculo unico pilifero caſtaneo nitido terminata inſtructo, *ponè* in hamulum conicum, longitudine cornu capitis ſed graciliorem, apice pilis in externum flexis notatum, caſtaneum nitidiſſimum paulùm extra articulum inferiorem producto, *ſubtùs* pedicello brevi cylindraceo atro.

Palpi interiores versùs apicem aliquantùm incraſſati, ſed certo adſpectu cylindracei: articulis majuſculis.

Mandibulæ: articulis magnis; vagina ſuperiore parùm breviore, et fermè cylindracea.

Labium apice deflexum et ferè truncatum: carina ſulco deſtituta.

Thorax latitudine capitis et parùm inæqualis: *partibus* duabus ſulco non niſi lateribus et ſubtus exarato diſtinctis; *antica* ſupernè et lateribus convexa, annulum vel ſegmentum referente; *poſtica* margine *anteriore* ſigno medio depreſſo nigreſcenti-glauco duabus alis minutis apice divergentibus non adeo diſſimili impreſſa, *poſteriore* parùm elevata ſed ſpatio lato: ſtria tranſverſa media, inſtructa.

Scutellum obtuſiuſculum ferè inconſpicuum.

Elytra abdomine breviora, obſoletè punctata.
Alæ inferiores colore violaceo vario nitido.
Abdomen apice convexiuſculum nigrum; ſubtus ſegmentis tertio et ultimo nigreſcentibus obſoletiſſimè punctatis.
Pedes omnes æquales impunctati. *Femora* baſi atra: appendicibus minoribus quam P. *microcephali*. *Tibiæ* baſi nigricantes, versùs apicem latiores compreſſiores, ipſo apice pilum utrinque gerentes, truncatæ, margine exteriore ſerie pilorum duplici, interiore unica et pedum poſticorum nulla inſtructæ. *Tarſi* longiores quam præcedentis ſpeciei: articulis etiam multò evidentioribus unguibuſque majoribus.
Fæmina differt *oculis* cryſtallinis; *palpis* interioribus paulò anguſtioribus, exterioribus glauceſcentibus; *mandibulis* brevioribus: vagina infera anguſtiore; *ſcutello* minore; *abdomine* longiore, apice convexo piceo; *femoribus* pedum poſticorum aliquantò gracilioribus; cæterùm ſimillima.

To theſe inſects, now deſcribed, there are ſome others which ſeem to be nearly related; but whether they are exactly of the ſame genus I cannot determine, not knowing how far they agree in the particulars of the generic character as above ſtated. But that they may not be overlooked hereafter, I ſhall here inſert them. They are the three following:

1. *Pauſus ruber*: totus rufeſcens, *Thunb. Act. Stockh.* 1781. p. 170.*
   Pauſus ruber, totus rufeſcens, thorace anticè eroſo; elytra truncata, margine exteriori deflexa, *Herbſt. Syſt. Inſect. Coleopt.* P. 4. p. 101.*
   Habitat in Capite Bonæ Spei.

2. *Pauſus lineatus*: rufeſcens linea elytrorum fuſca, *Thunb. Act. Stockh.* 1781. p. 171.* Tab. 3. fig. 4. 5.

Pauſus

Pauſus lineatus, capite collo cylindrico a capite (thorace) ſeparato; elytra linearia, linea in medio lata fuſca, *Herbſt. Syſt. Inſect. Coleopt.* P. 4. p. 102.* Tab. 39. fig. 7. a. b.
Cerocoma lineata, antennis biarticulatis: clava elongata integra, fuſca linea nigra, *Fabr. Ent. Syſt.* Tom. i. P. 2. p. 82. *sq.*
Habitat in Capite Bonæ Spei.

3. *Cerocoma ruficollis*, antennis biarticulatis: clava elongata integra, nigra thorace elytrorumque ſtriga ferrugineis, *Fabr. Ent. Syſt.* Tom. i. P. 2. p. 83.*
Habitat - - - - - - Dom. Lund.

Before I conclude, I muſt recommend to Gentlemen who may have an opportunity of ſeeing P. *microcephalus* and P. *ſphærocerus* alive, to inveſtigate their nature and metamorphoſes, to examine carefully their inſtruments for feeding, and to enquire into the interior ſtructure of the upper-joints, or the clavæ of their antennæ, as well as into the peculiar quality of giving light, which the balls of P. *ſphærocerus* ſeem to poſſeſs, &c. &c.

EXPLANATION OF TAB. XXII.

Pausus *microcephalus.*

Fig. 1. the natural ſize.
Fig. 2. magnified, ſeen from above.
a a. the four tubercles on the vertex of each of the clavæ or upper-joints of the antennæ.
b b. the hooks of the clavæ, with their interior knob.
c. the pedicles of the ſame, with their balls at the baſe.
d. the lower joints of the antennæ.

e e. the eyes.
f. the raiſed hinder part of the head.
g. the elevated fore-part of the thorax.

Fig. 3. one of the tubercles of the clava, tipped with hairs, greatly magnified.

Fig. 4. the head, ſeen below, alſo much magnified.
a. the raiſed edge of the clava.
b. the hairy warts on the top of the lower joints of the antennæ.
c. the tops of the maxillæ.
d. the labium.
e e. the eyes.
f f. the jugular triangle.

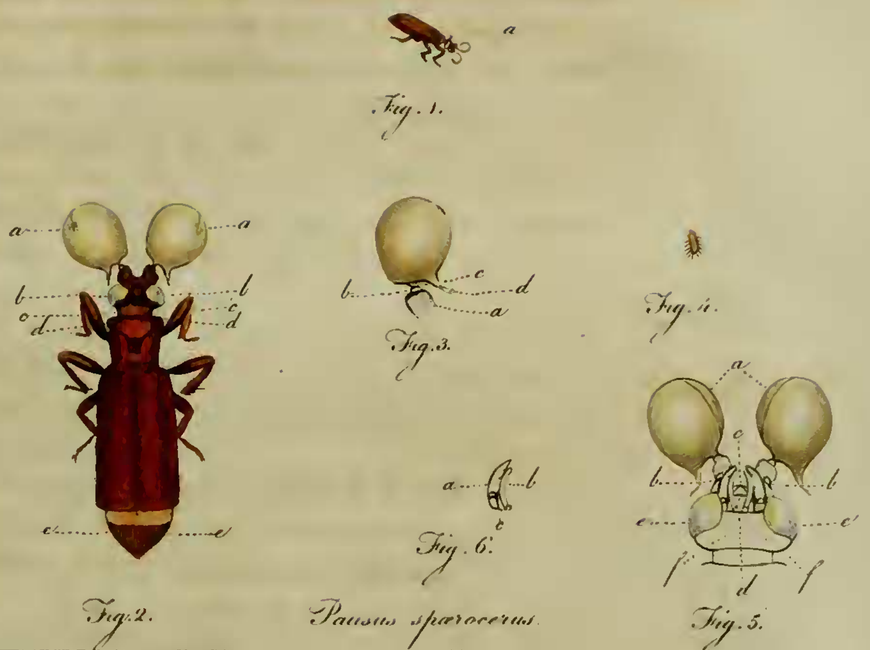
Fig. 5. greatly magnified.
a. the mandibulæ, with their teeth and hinges.
b. the exterior palpi.
c. the interior ones, with their hinges.

Pausus *ſphærocerus.*

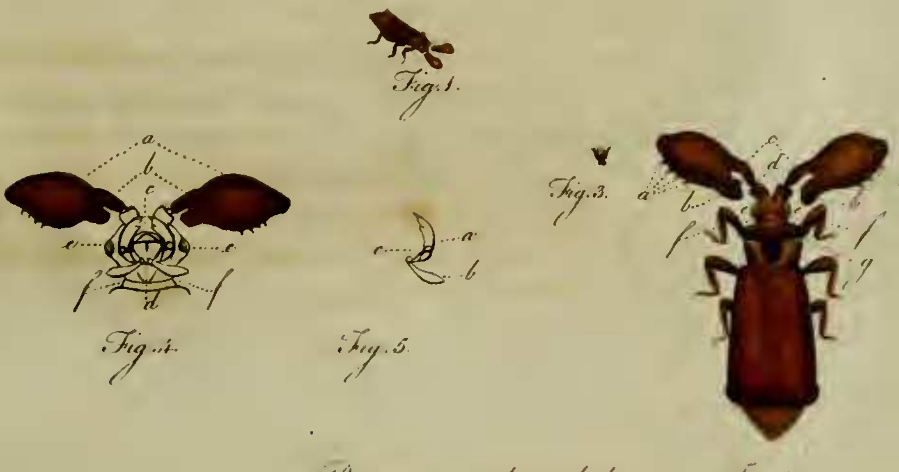
Fig. 1. the natural ſize.
a. the horn on the head.

Fig. 2. magnified, ſeen from above.
a a. the tubercles on the vertex of the clava or upper-joint of the antennæ.
b b. the eyes.
c c. the contracted hinder-part of the head.
d d. the elevated fore-part of the thorax.
e e. the raiſed poſterior margin of the ſegment next to the terminal one.

Fig.



Pausus spærocerus.



Pausus michrocephalus